JOB PERFORMANCE MEASURE (JPM)

TASK CODE: CB0-020

TASK: Calibrate a hand and foot monitor

TRAINEE: _____ **SSN:** _____

REFERENCES:

1- WP12-HP1220, Contamination Detection Instrumentation

TERMINAL OBJECTIVE: Given that a hand and foot monitor requires calibration, calibrate the instrument IAW WP12-HP1225

CONSEQUENCES OF INADEQUATE PERFORMANCE (ABNORMAL CONDITIONS):

1- Improper survey results

HAZARDS (PERSONNEL/EQUIPMENT SAFETY):

1- Electrical hazard

PRE-REQUISITE TRAINING / TASK COMPLETION:

1- CL 1.01 through CL 1.09,CL 1.13
2- CL 2.05,CL 2.17
3- CF0-156-JP, Control a radioactive source
4- CF0-116-JP, Operate a Geiger-Mueller dose rate instrument
5- ELC103, Electrical safety
6- MED101, First aid / CPR
7- SAF619, Compressed Gas Safety

TOOLS/EQUIPMENT (MATERIALS REQUIRED):

1- Digital Voltmeter
2- Procedure WP12-HP1225
3- Calibration data sheet
4- P-10 gas
5- 5 and 10 uCi sources
6- High voltage probe
7- Calculator
8- Calibration sticker
9- Small screwdriver

Instructions to Trainee: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

Instructions to Evaluator: The trainee is to perform the terminal objective, without assistance, on the job site. Provid clarification of requirements if requested by trainee. You are encouraged to ask relevant questions to verify trainee understanding. If a trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's certification card.

KNOWLEDGE REQUIREMENTS:

Ref.	Knowledge requirement	P/F
1	State the frequency of calibration for a hand and foot monitor	
1	describe the basic operation of the hand and foot monitor	

PERFORMANCE REQUIREMENTS:

Ref.	CRITICAL STEPS	P/F
1	Determine the operating voltage	
1	Adjust the alpha threshold value	
1	Adjust the beta threshold value	
1	Calculate the alpha efficiency	
1	Calculate the beta efficiency	
1	Source check the monitor	
1	Complete the calibration data sheet	

FINAL EVALUATION: PASS FAIL

COMMENTS:

EVALUATOR SIGNATURE: _____ **DATE:** _____

STUDENT SIGNATURE: _____ **DATE:** _____

MANAGER SIGNATURE: _____ **DATE:** _____